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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC/BBMP/ KRIDL/W.No.13/CEMENT/2017-18 Date: 08.04.2017

TEST REPORT ON CEMENT

CLIENT	:	**Asst. Executive Engineer,** Project Sub Division-1, Dasarahalli Zone, BBMP, Bangalore.
AGENCY	:	**Executive Engineer,** KRIDL, BBMP, Bangalore.
NAME OF THE WORK	:	Providing fencing to Balance portion of Mallasandra Quarry Sy No.33 in Ward No.13 Mallasandra Project subdivision, Dasarahalli zone, BBMP, Bangalore.
SAMPLE ID	:	Cement
DATE OF TESTING	:	08.04.2017

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	28.00%	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	186 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	474 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 15 days from the date of testing.

AE (P)

Ravi. N.K.
AE Project.

For Civil Experts Consultants

Authorised Signatory

Asst. Executive Engineer
Project Sub Division-I
Dasarahalli Zone.

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Job No.: CECTC/BBMP/KRIDL/W.No.13/SAND-Gradation/2017-18 : 08.04.2017

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

Client : **Asst. Executive Engineer,** Project Sub Division-1, Dasarahalli Zone, BBMP, Bangalore.

Agency : **Executive Engineer,** KRIDL, BBMP, Bangalore.

Name of Work : Providing fencing to Balance portion of Mallasandra Quarry Sy No.33 in Ward No.13 Mallasandra Project subdivision, Dasarahalli zone, BBMP, Bangalore.

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Date of Testing : 08.04.2017

Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	92.50	90-100	90-100	90-100	95-100
2.36	78.70	60-95	75-100	85-100	95-100
1.18	62.80	30-70	55-90	75-100	90-100
600 Micron	44.80	15-34	35-59	60-79	80-100
300 Micron	8.30	5-20	8-30	12-40	15-50
150 Micron	2.30	0-10	0-10	0-10	0-15

Remarks : This sample is under Zone-II specific limits.

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Job No.: CECTC/BBMP/ KRIDL/W.No.13/AGG/GR/2017-18 : 08.04.2017

TEST REPORT ON COARSE AGGREGATES

Customer : **Asst. Executive Engineer,** Project Sub Division-1, Dasarahalli Zone, BBMP, Bangalore.

Agency : **Executive Engineer,** KRIDL, BBMP, Bangalore.

Name of Work : Providing fencing to Balance portion of Mallasandra Quarry Sy No.33 in Ward No.13 Mallasandra Project subdivision, Dasarahalli zone,BBMP, Bangalore.

Technical Reference : IS : 2386 Part 1 -1963 RA-2007

Sample ID : Coarse Aggregates (40mm)

Date of Testing : 08.04.2017

Total Wt. of Aggregates in gms= **7000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	96.49	95-100	85-100
20	34.84	30-70	0-20
10	13.24	10-35	0-5
4.75	1.24	0-5	-

Remarks : This sample is under Graded specific limits.

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Job No.: CECTC/BBMP/KRIDL/W.No.13//Steel//2017-18 Date: 18.04.2017

TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client	:	**Asst. Executive Engineer,** Project Sub Division-1, Dasarahalli Zone, BBMP, Bangalore.
Agency	:	**Executive Engineer,** KRIDL, BBMP, Bangalore.
Name of Work	:	Providing fencing to Balance portion of Mallasandra Quarry Sy No.33 in Ward No.13 Mallasandra Project subdivision, Dasarahalli zone, BBMP, Bangalore.
Sample Identification	:	8mm,10mm,12mm,16mm Fe 500 TMT Bars
Technical Reference	:	IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)
Date of test	:	18.04.2017

S.No	Brand	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
				0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	Fe 500	8	0.39	541	552	13
2	Fe 500	10	0.62	543	556	14.5
3	Fe 500	12	0.88	548	564	18
4	Fe 500	16	1.59	551	571	19.5

Remarks:

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